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MANUAL OF PATENT EXAMINING PROCEDURE

Sheet 1 of 24

Form PTO-1449				Docket Number (Optional) 0152.00424		Application Number 10/057,080	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)				Applicant Abdul Malik et al.			
				Filing Date 01/24/02		Group Art Unit 1741	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
FOREIGN PATENT DOCUMENTS							
	DOCKET NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
OTHER DOCUMENTS (Including Author, Title, Date Pertinent Pages, Etc.)							
EGT		Bigham, S., et al., "Sol-Gel Capillary Microextraction," Anal. Chem. Vol. 74, No. 4, pp. 752-761, 2002.					
EGT		Bruin, G. et al., "Electrically driven open-tubular liquid chromatography," Journal of Chromatography, 517, pp. 557-572, 1990.					
EGT		Chong, S. et al., "Sol-Gel Coating Technology for the Preparation of Solid-Phase Microextraction Fibers of Enhanced Thermal Stability," Anal. Chem., 69, pp. 3339-3898, 1997.					
EGT		Dittmann, M. et al., "Capillary Electrochromatography: Investigation of the Influence of Mobile Phase and Stationary Phase Properties on Electroosmotic Velocity, Retention, and Selectivity," J. Microcolumn., 9, pp. 399-408, John Wiley & Sons, Inc. 1997.					
EGT		Folestad, S. et al., "Performance and preparation of immobilized polysiloxane stationary phases in 5-55µm I.D. open-tubular fused silica columns for liquid chromatography," Abstract, Journal of Chromatography, Vol. 391, pp. 347-372, 1987. (Abstract only)					
EGT		Gamer, T.W. et al., "Increased selectivity for electrochromatography by dynamic ion exchange," Abstract, Journal of Chromatography, Vol. 640, pp. 397-402, 1993. (Abstract only)					
EGT		Göhlin, K. et al., "Study of polyorganosiloxanes (native and solvent swollen) for the preparation of narrow (5-15µm I.D.) and long (1-6m) open tubular columns in reversed-phase liquid chromatography," Abstract, Journal of Chromatography, Vol. 645, pp. 41-56, 1993. (Abstract only)					
EGT		Göhlin, K. et al., "Narrow (5-50µm I.D.) Open Tubular Columns in Liquid Chromatography Using Immobilizing Polymethyl-octadecylsiloxane as Stationary Phase," Journal of Microcolumn, Sep. 3, pp. 547-556, 1991.					
EGT		Guo, Y., et al., "A Stationary Phase for Open Tubular Liquid Chromatography and Electrochromatography Using Sol-Gel Technology," Anal. Chem., 67, pp. 2511-2516, 1995. <del>Abstract only</del>					
EGT		Hayes, J. et al., "Sol-gel chemistry-based Ucon-coated columns for capillary electrophoresis," Journal of Chromatography, Vol. 695, pp. 3-13, 1997. <del>Abstract only</del>					
EGT		Hayes, J.D. et al., "Sol-Gel Monolithic Columns with Reversed Electroosmotic Flow for Capillary Electrochromatography," Anal. Chem., 72, pp. 4090-4099, 2000. <del>Abstract only</del>					

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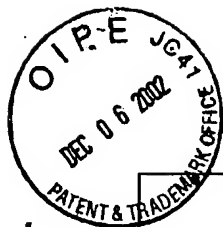
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EGT	Hibi, K. et al., "Studies of open-tubular microcapillary liquid chromatography, III. $\beta$ , $\beta'$ -oxydipropionitrile and ethylene glycol stationary phases," Abstract, Journal of Chromatography, Vol. 175, pp. 105-111, 1979. <i>ABSTRACT ONLY</i>
EGT	Ishli, D. et al., "Studies of open-tubular microcapillary liquid chromatography, IV. Soda-lime glass columns treated with alkaline solution," Abstract, Journal of Chromatography, Vol. 185, pp. 73-78, 1979. <i>ABSTRACT ONLY</i>
EGT	Jorgenson, J. et al., "New techniques for liquid chromatography in open-tubular columns," Abstract, Journal of Pharmaceutical and Biomedical Analysis, Vol. 2, pp. 191-196, 1984. <i>ABSTRACT ONLY</i>
EGT	Jorgenson, J.W. et al., "Liquid chromatography in open-tubular columns - Theory of column optimization with limited pressure and analysis time, and fabrication of chemically bonded reversed-phase columns on etched borosilicate glass capillaries," Abstract, Journal of Chromatography, Vol. 255, pp. 335-348, 1983. <i>ABSTRACT ONLY</i>
Eor	Malik, A. et al., "Sol-Gel Technology for Thermally Stable Coatings in SPME," In Applications of Solid-Phase Microextraction; Royal Society of Chemistry; London, U.K., Chapter 6, pp 73-91, 1999.
Eor	Pesek, J. et al., "Electrochromatography in chemically modified etched fused-silica capillaries," Journal of Chromatography, 736, pp. 255-264, 1996.
Eor	Pesek, J. et al., "Separation of tetracyclines by high-performance capillary electrophoresis and capillary electrochromatography," Journal of Chromatography, 736, pp. 313-320, 1996.
EGT	Pfeffer, W.D. et al., "Electroosmotically driven electrochromatography of anions having similar electrophoretic mobilities by ion pairing," Abstract, Journal of Chromatography, Vol. 557, pp. 125-136, 1991. <i>ABSTRACT ONLY</i>
Eor	Sawada, H. et al., "Preparation of capillary columns coated with linear polymer containing hydrophobic and charged groups for capillary electrochromatography," Electrophoresis., 20, pp. 24-30, 1999.
EGT	Swart, R. et al., "Preparation and evaluation of polyacrylate-coated fused-silica capillaries for reversed-phase open-tubular liquid chromatography," Abstract, Journal of Chromatography, Vol. 670, pp. 25-38, 1994. <i>ABSTRACT ONLY</i>
Eor	Tan, Z. et al., "Preparation and Evaluation of Bonded Linear Polymethacrylate Stationary Phases for Open Tubular Capillary Electrokinetic Chromatography," Anal. Chem., 69, pp. 581-586, 1993.
Eor	Tsuda, T. et al., "Open-Tubular Microcapillary Liquid Chromatography with Electro-Osmosis Flow Using A UV Detector," Journal of Chromatography, Vol. 248, pp. 241-247, 1982.
Eor	Van Berkel, et al., "The Application of Immobilized Liquids for Open-Tubular Liquid Chromatography," Chromatographia, Vol. 24, pp. 739-744, 1987.
Eor	Wang, D., et al., "Sol-Gel Column Technology for Single-Step Deactivation, Coating, and Stationary-Phase Immobilization in High-Resolution Capillary Gas Chromatography," Anal Chem., 69, pp. 4566-4576, 1997.

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<i>Ed</i>	Zhang, Y. et al., "High Performance Micellar Liquid Chromatography with Silica Micro-Particles Having Surface-Bound Cationic Surfactant Moieties. I. Comparison with Octadecylsilica and Applications to the Separation of Dansyl Amino Acids, Herbicides, and Catecholamines," Journal of Liquid Chromatography, 18, pp. 3373-3396, 1995.
EXAMINER <i>THERKORN</i>	DATE CONSIDERED <i>July 13, 2004</i>
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.	

PTO/SB/ 08 (2-92)  
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Sheet 4 of 4

Form PTO-1449 <b>SUPPLEMENTAL INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b> (Use several sheets if necessary)				Docket Number (Optional) 0152.00424		Application Number 10/057,080	
				Applicant Abdul Malik, et al.			
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<b>FOREIGN PATENT DOCUMENTS</b>							
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EGT		Van Berkel-Geldof, O. et al., "Preparation of silicone-coated 5-25-µm I.D. fused-silica capillary columns for open-tubular liquid chromatography," <i>Journal of Chromatography A</i> , Vol. 449, 345-359 (1990). <b>ABSTRACT ONLY</b>					
EGT		Yang, Changming, et al., "Capillary zone electrophoresis of proteins with fused-silica capillaries having polymers and surfactants adsorbed onto surfactant moieties previously covalently bound to the capillary column surface," <i>Electrophoresis</i> , 19, 2278-2284 (1998). <b>ABSTRACT ONLY</b>					
EGT		Tsuda, Takao, et al., "Open-tubular microcapillary liquid chromatography with 20-µm I.D. columns," <i>Journal of Chromatography A</i> , Vol. 214, Issue 3, 283-290 (1981). <b>ABSTRACT ONLY</b>					
EGT		Tock, PPH., et al., "The Application of Porous Silica Layers in Open Tubular Columns for Liquid Chromatography," <i>Chromatographia</i> , Vol. 24, 617-624 (1987).					
EGT		Ruan, Y. et al., "Preparation and Evaluation of Cross-Linked Polyacrylate Stationary Phases for Open Tubular Liquid Chromatography," <i>Chromatographia</i> , Vol. 35, No. 9-12 (1993).					
EGT		Rebscher, H. et al., "A Method for the Experimental Determination of Contributions to Band Broadening in Electrochromatography with Packed Capillaries," <i>Chromatographia</i> , Vol. 38, No. 11/12 (1994).					
		Brinker, JC. et al., "The Physics and Chemistry of Sol-Gel Processing," <i>Sol-Gel Science</i> (1990). <del>No citation</del>					
EXAMINER  THE R KORN				DATE CONSIDERED  JULY 2004			
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